

**COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)
EVIDENCE AUDIT CHECKLIST
U.S. Environmental Protection Agency - Region 8
Environmental Services Division, Multi-Media Branch
Analytical Operations Section**

Audit Number: 08-31-08
Date CSF Received: 12/6/07
Received By: Carl Beal
Date of Audit: 02/22/08
Audited By: Carl Beal
Resubmitted CSF? Yes ☐ No ☐
Lab Name: A 4 Scientific
Lab Location: The Woodlands, TX

Site Name: Richardson Flat Tailings
Site Manager: Kathryn Hernandez
RAS Number: 36948
ULSA Number: _____
SDC Number: MH24H8
Number of Samples: 20/L/S
CLP Lab Code: A-4

AUDIT CHECKLIST

CHAIN OF CUSTODY

- | | |
|---|---|
| 1. Custody Seal Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2. Condition of Seal? Intact <input checked="" type="checkbox"/> Signed <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Unsigned <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 3. Chain of Custody Record(s) Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4. Chain of Custody Record(s) Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 5. Chain of Custody Record(s) Dated? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 6. Traffic Report(s) or Packing List(s) Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 7. Traffic Report(s) or Packing List(s) Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 8. Airbill Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 9. Airbill Number(s): <u>86319857 4806</u> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 10. Airbill Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 11. Airbill Dated? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 12. Sample Tags Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 13. Should Sample Tags be Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

AUDIT NUMBER: 08-31-08

FORM DC-2

14. Form DC-2 Present?
15. Numbering Scheme on Form DC-2 Correct?
16. Enclosed Documents Listed?
17. Listed Documents Enclosed?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

FORM DC-1

18. Form DC-1 Present?
19. Form DC-1 Complete?
20. Form DC-1 Correct?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

DOCUMENT CONTROL

1. Laboratory Documents Complete?
2. Laboratory Documents Legible?
3. Original Documents Included in CSF?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

DATA INSPECTION

1. Form I's present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
2. Forms 2 through 8 (VOC & SVOC), Forms 2 through 10 (Pesticides), Forms 2 through 14 (Metals & Cyanide) present?
3. Raw data present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
4. Percent Solids Form present for soil samples?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

E: If items 1, 3, 4, 6, 7, 8, 12, 14, 18, or 22 are missing, corrective action measures must be taken by the CSF auditor and summarized below.

AUDIT NUMBER: 08-31-08

EPA CLP ELECTRONIC DISKETTE(S)

CASE # 36948 SDG #: MH24H8

SITE NAME: Richardson Flat Tailings

RPM: Kathryn Hernandez

DATE: 02/22/08

AUDITOR: Carel Bearf

Audit # 08-31-08

RAS # 36948

SDG - MH24H8

Site - Richardson Flat Tailings

RPM - Kathryn Hernandez

LAB - A-4

Date - 02/22/08

JDIT NUMBER: 08-31-08

COMMENTS AND NOTES:

Carl Beaul 02/22/08

Auditor

Date

EPA OFFICIAL SEALS PAGE

Please attach all custody seals below:



USEPA-CLP

COVER PAGE

Lab Name: A4 Scientific, Inc. Contract: EPW06057
Lab Code: A4 Case No: 36948 NRAS No.: _____ SDG No: MH24H8
SOW No.: ILM05.4

EPA Sample No.

Lab Sample ID

MH24H8	0008728-01
MH24H8D	0008728-01D
MH24H8S	0008728-01S
MH24H9	0008728-02
MH24J0	0008728-03
MH24J1	0008728-04
MH24J2	0008728-05
MH24J3	0008728-06
MH24J4	0008728-07
MH24J5	0008728-08
MH24J6	0008728-09
MH24J7	0008728-10
MH24J8	0008728-11
MH24J9	0008728-12
MH24K0	0008728-13
MH24K1	0008728-14
MH24K2	0008728-15
MH24K3	0008728-16
MH24K4	0008728-17
MH24K5	0008728-18

Were ICP-AES and ICP-MS interelement corrections applied?

(Yes/No)

ICP-AES

ICP-MS

YES

YES

Were ICP-AES and ICP-MS background corrections applied?

(Yes/No)

YES

YES

If yes, were raw data generated before application of background corrections?

(Yes/No)

NO

NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:

Reddy Pakanati

Name:

REDDY PAKANATI

Date:

12/5/07

Title:

LABORATORY MANAGER 1

USEPA-CLP

COVER PAGE

Lab Name: A4 Scientific, Inc. Contract: EPW06057
Lab Code: A4 Case No: 36948 NRAS No.: _____ SDG No: MH24H8
SOW No.: ILM05.4

EPA Sample No.

Lab Sample ID

MH24K60008728-19MH24K70008728-20

Were ICP-AES and ICP-MS interelement corrections applied?

(Yes/No)

ICP-AES

ICP-MS

YESYES

Were ICP-AES and ICP-MS background corrections applied?

(Yes/No)

YESYES

If yes, were raw data generated before application of background corrections?

(Yes/No)

NONO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Reddy PakanatiName: REDDY PAKANATIDate: 12/5/07Title: LABORATORY MANAGER0000000002

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW06057**Case #: 36948****SDG #: MH24H8****SDG NARRATIVE****SAMPLE RECIEPT & LOGIN**

The following samples were received on the dates listed against them. The samples were logged in for analysis as listed.

EPA SAMPLE #	LAB SAMPLE #	DATE/TIME RECEIVED	AIRBILL NO.	ANALYSIS	Total # of Containers Received	REMARKS	MATRIX
MH24H8	0008728-01	11/16/07 10:11	863198574806	ICP-AES	1	MS/DUP	SOIL
MH24H9	0008728-02	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J0	0008728-03	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J1	0008728-04	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J2	0008728-05	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J3	0008728-06	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J4	0008728-07	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J5	0008728-08	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J6	0008728-09	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J7	0008728-10	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J8	0008728-11	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24J9	0008728-12	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24K0	0008728-13	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24K1	0008728-14	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24K2	0008728-15	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24K3	0008728-16	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24K4	0008728-17	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24K5	0008728-18	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24K6	0008728-19	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24K7	0008728-20	11/16/07 10:11	863198574806	ICP-AES	1		SOIL

ICP-AES

Issue 1: The cooler custody seals were absent for all coolers received on 11/16/07.

Resolution 1: Per Region 8, the laboratory has proceeded with the analysis of the samples.

Issue 2: There was no temperature blank received for the coolers received on 11/16. Cooler temperatures were determined to be 5,4,4 and 5. Lab used the following method to check cooler temperature. Removed ice between two sample containers and placed thermometers between them and stabilized for several minutes. The thermometer was not allowed to come in contact with any material except sample containers. The temperature of the shipping container was recorded on the TR/COC and form DC-1.

Resolution 2: Per direction from Region 8 laboratory has proceeded with the analysis of the samples.

Issue 3: The tag numbers on the physical tags do not match up with the tag numbers listed on the TR/COC.

Resolution 3: Per direction from Region 8, the laboratory proceeded with the analysis of the sample using the sample tag number attached to the sample container.

Issue 4: Per scheduling lab QC is required; however there were no samples designated on the TR/COC.

Resolution 4: Per direction from Region 8, the laboratory selected a sample for lab QC that was not a PE, blank, or rinsate sample. The laboratory notified the SMO coordinator of the sample selected for lab QC, and proceed with the analysis of the samples.

0000000003

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW06057

Case #: 36948

SDG #: MH24H8

SDG NARRATIVE

SMO was notified. Directive is enclosed. No other discrepancies of issues were noted during receipt and login.

ICP-AES

Soil Samples were digested by Hot-Block technique (HS2) and analyzed using a Thermo Electron ICAP6500.

MS and DUP were performed on sample "MH24K8" and they were within the QC limits.

Analytes with Serial Dilution percent difference not within the control limits are flagged with "E" on Form1s and Form8.

The following Samples were analyzed at a dilution for some elements to bring the concentration below the LDRs. The dilutions were made as below:

Sample ID	Dilution	Volume at digestate (ul)	Volume of 2% HNO3 (ul)	Final Volume (ul)
MH24J0	1.3	7,692	2,308	10,000
MH24K2	1.3	7,692	2,308	10,000
MH24K4	1.3	7,692	2,308	10,000
MH24K6	1.3	7,692	2,308	10,000

The following equations are used for calculation of sample results from raw instrument output data:

ICP-AES

SOIL Samples:

$$\text{Concentration (dry Wt.) (mg/kg)} = \frac{C * V}{W * S} * DF$$

Where,

C = Concentration (mg/L)

V = Final sample volume in Liters (L) (0.1L)

W = Wet sample weight (kg) (0.001kg)

S = % solids/100

DF = Dilution Factor

000000004

SAMPLE LOG-IN SHEET

Lab Name A4 SCIENTIFIC, INC.					Page <u>1</u> of <u>1</u>	
Received By (Print Name) Larry Goodson					Log-in Date 11/16/07	
Received By (Signature) <i>Larry Goodson</i>						
Case Number 36948		Sample Delivery Group No. MH24H8			NRAS Number —	
Remarks:		EPA Sample #	Aqueous Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
				Sample Tag #	Assigned Lab #	
1. Custody Seal (s)	Present/Absent* Intact/Broken	X MH24H8		8241665	0008120 -01	Ziplock Bags Intact
2. Custody Seal Nos.	N/A	X 6 + H9		8240534	-02	
		X MH24J0		8241675	-03	
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*	X J0		664	-04	
		X J2		673	-05	
4. Airbill	Airbill/Sticker Present/Absent*	X J3		662	-06	
5. Airbill No.	86310514806 N/A	X J4		659	-01	
6. Sample Tags	Present/Absent*	X J5		661	-08	
Sample Tag Numbers	Listed/Not Listed on Traffic Report/Chain of Custody Record	X J6		658	-09	
		X J7		660	-10	
7. Sample Condition	Intact/Broken*/Leaking	X J8		666	-11	
8. Cooler Temperature Indicator Bottle	Present/Absent*	X J9		8240530	-12	
9. Cooler Temperature	5°C	X MH24K0		8241669	-13	
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*	X K1		8240529	-14	
		X K2		8241670	-15	
11. Date Received at Lab	11/16/07	X K3		8241672	-16	
12. Time Received	10:11	X K4		8240528	-17	
		X K5		8240531	-18	
Sample Transfer		X K6		8241671	-19	
Fraction M+LS	Fraction	X K7		8241668	-20	
Area # Cooler A	Area #					
By <i>[Signature]</i>	By					
On 11/16/07	On					
* Contact SMO and attach record of resolution						
Reviewed By <i>[Signature]</i>			Logbook No. NA			
Date 11/20/07			Logbook Page No. 1 0000000005			

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME	<u>A4 SCIENTIFIC, INC.</u>		
CITY/STATE	<u>THE WOODLANDS, TX</u>		
CASE NO.	<u>36948</u>	SDG NO.	<u>MH2448</u>
SDG NOS. TO FOLLOW	<u>NA</u>		
NRAS NO.	<u>NA</u>		
CONTRACT NO.	<u>EPW06057</u>		
SOW NO.	<u>ILM05.4</u>		

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

	PAGE NOS.		CHECK	
	FROM	TO	LAB	REGION
1. Cover Page	<u>1</u>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. SDG Narrative	<u>3</u>	<u>4</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Sample Log-In Sheet (DC-1)	<u>5</u>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Inventory Sheet (DC-2))	<u>6</u>	<u>7</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. Traffic Report/Chain of Custody Record(s)	<u>8</u>	<u>10</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inorganic Analysis				
6. Data Sheet (Form I-IN)	<u>11</u>	<u>30</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7. Initial & Continuing Calibration Verification (Form IIA-IN)	<u>31</u>	<u>35</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. CRQL Standard (Form IIB-IN)	<u>36</u>	<u>38</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. Blanks (Form III-IN)	<u>39</u>	<u>41</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10. ICP-AES Interference Check Sample (Form IVA-IN)	<u>42</u>	<u>44</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11. ICP-MS Interference Check Sample (Form IVB-IN)	<u>NA</u>	<u>NA</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Matrix Spike Sample Recovery (Form VA-IN)	<u>45</u>	<u>45</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13. Post-Digestion Spike Sample Recovery (Form VB-IN)	<u>NA</u>	<u>NA</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Duplicates (Form VI-IN)	<u>46</u>	<u>46</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15. Laboratory Control Sample (Form VII-IN)	<u>47</u>	<u>47</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	<u>48</u>	<u>48</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17. Method Detection Limits (Annually) (Form IX-IN)	<u>49</u>	<u>51</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18. ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	<u>52</u>	<u>52</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19. ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	<u>53</u>	<u>53</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	<u>54</u>	<u>54</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21. Preparation Log (Form XII-IN)	<u>55</u>	<u>55</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22. Analysis Run Log (Form XIII-IN)	<u>56</u>	<u>58</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

XXXXXXXXXX

	PAGE NOS.		CHECK	
	FROM	TO	LAB	REGION
23. ICP-MS Tune (Form XIV-IN)	NA	NA	✓	—
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	↓	↓	✓	—
25. ICP-AES Raw Data	59	322	✓	✓
26. GFAA Raw Data (If Applicable)	NA	NA	✓	—
27. ICP-MS Raw Data	↓	↓	✓	—
28. Mercury Raw Data	↓	↓	✓	—
29. Cyanide Raw Data	↓	↓	✓	—
30. Preparation Logs Raw Data	323	343	✓	✓
31. Percent Solids Determination Log	344	345	✓	✓
32. USEPA Shipping/Receiving Documents Airbill (No. of Shipments <u>1</u>)	346	346	✓	✓
Sample Tags	347	353	✓	✓
Sample Log-In Sheet (Lab)	354	355	✓	✓
33. Misc. Shipping/Receiving Records (list all individual records) Telephone Logs	NA	NA	✓	—
<u>NA</u>	↓	↓	✓	—
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
<u>Custody logbook</u>	356	356	✓	✓
<u>NA</u>	NA	NA	✓	—
35. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records <u>Digestion Logs</u>	323	324	✓	✓
Analysis Records <u>Runlogs</u>	325	329	✓	✓
Description <u>STANDARD preplogs</u>	330	343	✓	✓
36. Other Records (describe or list)				
Telephone Communications Log	NA	NA	✓	—
<u>Emails</u>	357	359	✓	✓
<u>NA</u>	NA	NA	✓	—

37. Comments: _____

Completed by: Jessica Schulze Jessica Schulze Sample Custodian 12/5/07
 (CLP Lab) (Signature) (Print Name & Title) (Date)
 Audited by: Carol Bear Carol Bear 2/22/08
 (USEPA) (Signature) (Print Name & Title) (Date)

0000000007

**SAMPLE DELIVERY GROUP (SDG)
COVER SHEET**

SDG Number: MH24H8

☒ ICP-AES Analysis

☐ ICP-MS Analysis

Laboratory Name: A4 SCIENTIFIC, INC.

Laboratory Code: A4

Contract No.: EPW06057

Case No.: 36948

Analysis Price: _____

SDG Turnaround: 21 days

Modified Analysis (if applicable):

Modification Reference No.: _____

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) MH24H8	7) MH24J4	13) MH24K0	19) MH24K6
2) MH24H9	8) MH24J5	14) MH24K1	20) MH24K7
3) MH24J0	9) MH24J6	15) MH24K2	21)
4) MH24J1	10) MH24J7	16) MH24K3	22)
5) MH24J2	11) MH24J8	17) MH24K4	23)
6) MH24J3	12) MH24J9	18) MH24K5	24)

MH24H8

First Sample in SDG

MH24K7

Last Sample in SDG

11/16/2007

First Sample Receipt Date

11/16/2007

Last Sample Receipt Date

Note: There are a maximum of 20 **field** samples [excluding Performance Evaluation (PE) Samples] in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).


Signature

11/20/07
Date

0000000008
Inorganic (10/06)



Cooler 9

**USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record**

Case No: 36948

DAS No:

SDG No:

11/16/07 L
5728MH241A8

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Ch Hayes</i>	For Lab Use Only Lab Contract No: EPM106057 Unit Price: Transfer To: Lab Contract No: Unit Price: 11/16/07	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 Chris Hayes	11/9/07 7PM	Janna Simonsen		11/9/07 7PM
	2 Janna Simonsen	11/15/07 12PM			
3					
4			<i>Janna Simonsen</i> 11/16/07		

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH24H8	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG228 (1)	UE01-64A-0.5	S: 11/8/2007 8:10	0008728-01	Intact
MH24H9	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG229 (1)	UE02-64A-0.5	S: 11/8/2007 8:55	-02	
MH24J0	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG230 (1)	UE03-64A-0.5	S: 11/8/2007 9:05	-03	
MH24J1	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG231 (1)	UE04-64A-0.5	S: 11/8/2007 9:15	-04	
MH24J2	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG232 (1)	UE05-64A-0.5	S: 11/8/2007 9:25	-05	
MH24J3	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG233 (1)	UE06-64A-0.5	S: 11/8/2007 11:30	-06	
MH24J4	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG234 (1)	UE06-64A-1.0	S: 11/8/2007 10:20	-07	
MH24J5	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG235 (1)	UE07-64A-0.5	S: 11/8/2007 10:05	-08	
MH24J6	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG236 (1)	UE08-64A-0.5	S: 11/8/2007 9:55	-09	
MH24J7	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG237 (1)	UE09-64A-0.5	S: 11/8/2007 9:45	-10	

Shipment for Case Complete? <input checked="" type="checkbox"/> N	Sample(s) to be used for laboratory QC: <i>_____</i>	Additional Sampler Signature(s): <i>_____</i> 11/16/07	Cooler Temperature Upon Receipt: 5.4°C 11/16/07	Chain of Custody Seal Number: <i>_____</i> 11/16/07
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/> A	Shipment Iced? <input checked="" type="checkbox"/> Y

TR Number: 8-065602925-111207-0003

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 36948
DAS No: MH 24 88
SDG No: 5922 11/16/07

For Lab Use Only
Lab Contract No: ELW06057
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

Date Shipped:
Carrier Name: FedEx
Airbill:
Shipped to: A4 Scientific
1544 Sawdust Road
Suite 505
The Woodlands TX 77380
(281) 292-5277

Chain of Custody Record

Relinquished By	(Date / Time)	Sampler Signature	Received By	(Date / Time)
1 Chris Hayes	11/9/07 7pm		Janna Simonsen	11/9/07 7pm
2 Janna Simonsen	11/15/07 12pm			
3				
4				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH24J8	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG238 (1)	UE11-64A-0.5	S: 11/8/2007 13:15	0008728-11	Intact
MH24J9	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG239 (1)	UE12-64A-0.5	S: 11/8/2007 10:45	-12	
MH24K0	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG240 (1)	UE13-64A-0.5	S: 11/8/2007 10:55	-13	
MH24K1	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG241 (1)	UE14-64A-0.5	S: 11/8/2007 11:10	-14	
MH24K2	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG242 (1)	UE15-64A-0.5	S: 11/8/2007 11:45	-15	
MH24K3	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG243 (1)	UE16-64A-0.5	S: 11/8/2007 11:35	-16	
MH24K4	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG244 (1)	UE17-64A-0.5	S: 11/8/2007 11:30	-17	
MH24K5	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG245 (1)	UE18-64A-0.5	S: 11/8/2007 11:15	-18	
MH24K6	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG246 (1)	UE19-64A-0.5	S: 11/8/2007 13:10	-19	
MH24K7	Surface Soil (0"-12") Chris Hayes	M/G	TM (21)	TAG247 (1)	UE20-64A-0.5	S: 11/8/2007 13:15	-20	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): 11/16/07	Cooler Temperature Upon Receipt: 5.0°C 11/16/07	Chain of Custody Seal Number: 11/16/07
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? A	Shipment Iced? Y

TR Number: 8-065602925-111207-0003

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